

## ABSTRACT

A rotating machinery monitor provides a warning that is indicative of a developing problem with the rotating machinery. The rotating machinery monitor

5 has at least one current sensor for detecting shaft grounding current and/or at least one voltage sensor for detecting shaft voltage in the rotating machinery; a monitoring device for monitoring real-time shaft grounding current values and/or real-time shaft voltage values over time; a detector for determining the change and/or determining the rate of change, in the shaft grounding current and/or in the

10 shaft voltage; an evaluation system for producing a warning as a function of the change and/or rate of change, in the shaft grounding current and/or the shaft voltage wherein the warning generated is indicative of a developing problem with the rotating machinery.